JOB NO. 4490 DIXIE CARRIERS Barge: MRC-1 1/95

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BARGE CLEANING REPORT

DATE/TIME STARTED /-9-95 PRODUCT FINAMIL SI CO + OL DATE/TIME COMPLETED /-9-95 PRODUCT FINAMIL SI CO + OL DATE/TIME COMPLETED /-9-95 PRODUCT FINAMIL SI CO + OL DATE/TIME COMPLETED /-9-95 PRODUCT FINAMIL SI CO + OL DATE/TIME COMPLETED /-9-95 PRODUCT FINAMING INSTRUCTION : STR.P WASH AND RECOMPLETED DRY MIKE GREEN COMPLETION SCREDULE SY: MIKE GREEN COMPLETION SCREDULE SY: MIKE GREEN DATE/TIME: DOCUMENT STRUCTORY OF SAME	JOB 40. 44 90	ETA <u>19-75</u>
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WEATHER: TEMP_70_RAINFOGHUMIDITYDVERCAST_1/_OLOUDYOLEAR		
	WEATHER: TEMP 70 RAIN FOG HUNDITY	OLOUDY CLEAR
PIRELINE WASHED: yes PIRELINE SLOWN HES PIRELINE SUMPS INSPECTED DUANTE		
20W RAKE CHECKED: YES V NO STERN RAKE: YES V NO		
VODS: VESNOSAFETY EQUIPMENT USZD:	70 DS: YES NO SAFETY 70	DUIPMENT USZD:

WORK SCOPE

HERCULES MARINE SERVICES CORPORATION

P. O. Drawer O . Freeport, Texas 77541

INVOICE NO. : 2764-95

DATE

Jan 18, 1995

Job No.

4490-1

Location

Freeport Yard

TO:

Dixie Carriers, Inc. 2102 Broadway Houston, Texas 77012

PLEASE REMIT PAYMENTS TO:

11011 RICHMOND

SUITE 500

HOUSTON, TX. 77042

Terms

: Net 30

FOR: Services to the barge MRC-1 as follows:

Set up equipment
Strip out all free product
Cold water wash pipe line and stripping system
Col water wash cargo tanks
Blow cargo pipeline and stripping system
Vacuum blow dry cargo tanks
Sweep powder rust from cargo tank floors
Wash and strip deck around engine and header
Pressure test cargo pipeline to 40 # psi
Clean off deck
Remove equipment
Close barge

33.50 LABOR: Leadman 7월 6 2 <u>a</u> 48.00 Journey 22 6 31.00 5 e 44.25 3000 gal .35 Disposal: 0 50.00 Material: 250.00 + Equip: Compressor 8 @ 44.00 A'r Movers 42 @ 5.00 Torklift 1 @ 20.00 Steam Rig 4 @ 80.00

Hand Hose 5 @ 10.00

2" Strip pump 5 @ 12.00

Butterworth 6 @ 10.00

Vacuum 6 @

18.00

300.00 352.00 210.00 20.00 320.00 108.00 50.00 60.00

\$3,780.50

251,25

682.00 221.25

1,050.00

96.00

TOTAL AMOUNT DUE:

Arrived: 1/9
Completed: 1/9
Product: Ethanol
Load: Cumene

PHONE: (409) 233-6371



Strength through environmental awareness and customer service

P.O. Drawer O Freeport, Texas 77541 Office (409) 233-6371 Fax. (409) 233-6375

	EQUIPMENT	HOURS USED	HOURLY RATE	TGTAL PRICE
	COMPRÉSSOR	8 Has	44.00	
6-4	AIR MOVERS	42 14ns	5.00	
	VACUUM	6 ARS	20.00	
	BOILER	y Hr:	80.00	
	HAND HOSE	5 14 RS	10.00	
	BUTTERWORTH	to Has	10.00	
	2" STRIP ĐUMĐ	5 HRS	12.00	
	3" DIESEL PUMP		14.00	
	4" ELECT PUMP		15.00	
	CRANE		130.00	• • • • • • • • • • • • • • • • • • • •
	FORKLIFT	1 Has	50.00	
	TUC BOAT		80.00	
	WELD MACHINE		15.00	
	CUTTING RIG		8.00	
	WORK BARCE		35.00	
	HAUL OUT		1100.00	
		· · · · · · · · · · · · · · · · · · ·	a .	

DATE: 1- 9- 95 JOB NO: 44 90 BARCE NAME: MRC - I

WASH WATER 3000 GAL.

ERIC L. MO**ORE** MARINE CHEMIST P.O. BOX V FREEPORT TX 77541

_	INVOICE			
ſ	Invoice No.	1008		
	Invoice Date	01/10/95		
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	*	_2.	***	

HERCULES
P.O. DRAWER O
FREEPORT TENAS 77541

PO NUMBER 4480-89956

DESCRIPTION	TAXABLE AMOUNT
CHEMIST CERTIFICATE ON THE VESSEL MRC 1 AT HERCULES IN FREEPORT TEXAS ON 9 JAN 94 AT 12:35	250.00
	-
••	
and the same of th	
imoint Pail 0.00 datein ti	Subtotal 250.66
- 30 days 31 - 00 61 - 90 90 phrs Total Due 50.00 0.00 250.00	TOTAL \$250.00



Strength through experience, equipment, know-how
P.O. Drawer O Office: (409) 233-6371
Freeport, Texas 77541 Fax: (409) 233-6375

FINAL CHECK LIST

	DATE: 1-9-95
	BARGE: AA B.C. I
	BLND NUMBER CHECKED 2 REPLACED GASKET YES NO L
	GATE VALVE NUMBER CHECKED / REPLACED GASKET YES NO:
	PLUGS NUMBER CHECKED REPLACED PLUG YES NO C
*	CHECK VALVE NUMBER CHECKED / REPLACED GASKET YES NO
	DEEPWELL BLIND NUMBER CHECKED REPLACED GASKET YES NO
	BELOW DECK CARGO PIPELINE BLIND NUMBER N/A REPLACED GASKET YES NO
	BELOW DECK CARGO PIPELINE BLIND REMOVED YES NO
	DRIP PANS VALVES: CLOSED BY Dubate
	DRIP PANS COVER: CLOSED BY DO Arto
	COMTAINMENT AREA PLUG OR VALVES: CLOSED BY N/A
	AIR TEST CARGO LINE - 40psi - USING SOAP
	SIGNATURE OF TESTER: Olando Directo
	WITNESS: Jimmy a laches

CHECK VALVE GASKET WILL BE REPLACED AIR TEST IS LAST THING TO BE DONE BEFORE RELEASING BARGE.

BAZARDS COMMUNICATION STANDARD

OSRA 1910.1200

EXPLOYEE BAZARDOUS MATERIALS TRAINING PROGRAM

Date 1-9-95		Supervisor <u>(/AVa</u>	10 DUALTE
Plant Herecies		Client Safety	<u> </u>
M. R.C. I			
The following listed mater	ials are cons	idered to be hezardous to	the employees
working in this area:			
ETH ANOL		 	
			
The employees assigned to	work in this	area have been informed of	the hazardous
materials in this area, th	e hazards the	ey present to the workers,	the location
of hazards listed, the pro	otective equi	pment that has been provi	ded and where
it is located, and procedu			
form.			
NAME A Carelia De ento	BADGE	NAME	BADGE
Rose Se All	8		
There is	120_		
Kang Bellion	<u></u>		
	!		
			HER 04923
			Name - 112 - property to provide

MATERIAL SAFETY DATA SHEET



South Point Ethanol

P.O. Box 1004 South Point, Ohio 45680 Phone: 614/377-2765

ETHANOL

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Note

THIS MISOS COMPLIES WITH 29 CFR 1910 1200 (THE HAZARD COMMUNICATION STANCARD)

Product Name, Ethyl Arcohol (Ethanol), Anhydrous, denatured

J2 20 89 Prepared 33,04 56 Supersedes

CAS NUMBER: IG LIST - - 64-17-5

SECTION 1 - PRODUCT IDENTIFICATION

General or Generic ID: ALCOHOL

DOT Hazard Classification: FLAMMABLE LIQUID (173.115)

SECTION II - COMPONENTS

IF PRESENT, IARC, NTP AND OSHA CARCINOGENS AND CHEMICALS SUBJECT TO THE REPORTING REQUIREMENTS OF SARA TITLE III SECTION 313 ARE IDENTIFIED IN THIS SECTION. SEE DEFINITION PAGE FOR CLARIFICATION

INGREDIENT	% (by VOL)	PEL	TLV	
ETHYL ALCOHOL CAS #: 64-17-5	95	10 00 PPM	1000 PPM	
ALIPHATIC PETROLEUM DISTILLATES	5	500 PPM	400 PPM	

		SECTION III PHYSICAL DATA			100			10.10.		•
Boiling Point	for PRODUCT		,	158.00 70.00				Deg F Dea C		
			`_	70.00 T				mm Hg	;	
Vapor Pressure	for PRODUCT							mm Ho	}	
				Œ				Deg F Deg Ç	ı	
Specific Vapor Density								HEAV	IER I	HAN AIR
Specific Gravity		-		.787	•		.797			<u>-</u>
				@		(Deg F Deg C	1	
Percent Volatiles					100.0	0%				
Evaporation Rate	(ETHYL ETHER =	1)		(5.80					

SECTION IV FIRE AND EXPLOSION INFORMATION

FLASH POINT

55.0 Dea F

(12.8 Deg C)

EXPLOSIVE LIMIT

(PRODUÇT)

LOWER - 3.3%

EXTINGUISHING MEDIA: ALCOHOL FOAM OR WATER FOG OR CARBON DIOXIDE OR DRY CHEMICAL

HAZARDOUS DECOMPOSITION PRODUCTS: MAY FORM TOXIC MATERIALS:, CARBON DIOXIDE AND CARBON MONOXIDE. ETC.

FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN THE POSITIVE PRESSURE DEMAND MODE WHEN FIGHTING FIRES.

SPECIAL FIRE & EXPLOSION HAZARDS: VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY PILOT LIGHTS, OTHER FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGE, OR OTHER IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT

NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT (EVEN JUST RESIDUE: CAN IGNITE EXPLOSIVELY.

NFPA CODES:

HEALTH - 0

FLAMMABILITY - 3

REACTIVITY + 0

SECTION V HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LEVEL, NOT ESTABLISHED FOR PRODUCT SEE SECTION III.

EFFECTS OF ACUTE OVEREXPOSURE: FOR PRODUCT

EYES - CAN CAUSE MODERATE IRRITATION, HEDNESS, TEARING.

SKIN - CAN CAUSE SLIGHT IRRITATION

BREATHING - EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION SWALLOWING - CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIAPRHEA

FIRST AID:

IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER, REMOVE CONTAMINATED CLOTHING, 140%, DER CONTAMINATED CLOTHING BEFORE RE-USE.

RE IN EYES, FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY GET MEDICAL ATTENTION.

IF SWALLOWED: IMMEDIATELY DRINK TWO GLASSES OF WATER AND INDUCE VOMITING BY EITHER GIVING IPECAC BARBY OR BY PLACING FINGER AT BACK OF THROAT, NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET MEDICAL ATTENTION IMMEDIATELY.

IF BREATHED: IF AFFECTED, REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN IS BREATHING HAS STOPPED GIVE ARTIFICIAL RESPIRATION, KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION.

PRIMARY ROUTE(S) OF ENTRY:

INHALATION, SKIN CONTACT

EFFECTS OF CHRONIC OVEREXPOSURE: FOR PRODUCT

OVEREXPOSURE TO THIS MATERIAL (OR ITS COMPONENTS) HAS APPARENTLY BEEN FOUND TO CAUSE THE FOLLOWING EFFECTS IN LABORATORY ANIMALS:, LIVER ABNORMALITIES

OVEREXPOSURE TO THIS MATERIAL (OR ITS COMPONENTS) HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS:, LIVER ABNORMALITIES, EYE DAMAGE

SECTION VI REACTIVITY DATA

HAZARDOUS POLYMERIZATION: CANNOT OCCUR

STABILITY: STABLE

INCOMPATIBILITY: AVOID CONTACT WITH:, STRONG OXIDIZING AGENTS.

SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILL: ABSORB LIQUID ON PAPER, VERMICULITE. FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD.

LARGE SPILL: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS) PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED, STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK, REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT, OR OTHER ABSORBENT MATS-RIAL AND SHOVELED INTO CONTAINERS.

PREVENT RUN-OFF TO SEWERS, STREAMS OR OTHER BODIES OF WATER, IF RUN-OFF OCCURS, NOTIFY PROPER AUTHORITIES AS REQUIRED, THAT A SPILL HAS OCCURRED.

WASTE DISPOSAL METHOD:

SMALL SPILL: ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD, ALLOW SUFFICIENT TIME FOR VAPORS TO COMPLETELY CLEAR HOOD DUCT WORK, DISPOSE OF REMAINING MATERIAL IN ACCORDANCE WITH APPLICABLE REGULATIONS.

LARGE SPILL: DESTROY BY LIQUID INCINERATION.

CONTAMINATED ABSORBENT MAY BE DEPOSITED IN A LANDFILL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION VIII PROTECTIVE EQUIPMENT TO BE USED

RESPIRATORY PROTECTION: IF WOPKPLACE EXPOSURE LIMITISTOF PRODUCT OR ANY COMPONENT IS EXCEEDED. SEE SECTION III. A NIOSHIMSHA APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL. OSHA REGULATIONS ALSO PERMIT OTHER NIOSHIMSHA RESPIRATORS INEGATIVE PRESSURE TYPE 1.00 DER SPECIFIED CONDITIONS ISEE YOUR SAFETY EQUIPMENT SUPPLIER). ENGINEERING OR ADMINISTRATIVE CONTROLS SHOULD BE IMPLEMENTED TO REDUCE EXPOSURE.

VENTILATION: PROVIDE SUFFICIENT MECHANICAL (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLY(S).

PROTECTIVE GLOVES, WEAR RESISTANT GLOVES SUCH AS NEOPRENE

EYE PROTECTION: CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS ARE ADVISED. HOWE'S EXIOSHA REGULATIONS ALSO PERMIT OTHER TYPE SAFETY GLASSES, (CONSULT YOUR SAFETY EQUIPMENT SUPPLIES).

OTHER PROTECTIVE EQUIPMENT: TO PREVENT REPEATED OR PROLONGED SKIN CONTACT, WEAR IMPERVIOUS CLOTHING AND BOOTS.

SECTION IX SPECIAL PRECAUTIONS OR OTHER COMMENTS

CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THIS DATASHEET MUST BE OBSERVED.

THE INFORMATION ACCUMULATED HEREIN IS BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE WHETHER DE GINATING WITH THE COMPANY OR NOT RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF NEED THAT THE CHECK MATION IS CURRENT, APPLICABLE, AND SUITABLE TO THEIR CIRCUMSTANCES.

DEFINITIONS

This definition page is intended for use with Material Safety Data Sheets supplied by South Point Ethanol. Pecicients of these data sheets should consult the OSHA Safety and Health Standards (29 CFR 1910), particularly support G - Occupational Health and Environmental Control, and support till Personal Protective Equipment, for general guidance on control of potential Copposational Health and Safety Hazards.

SECTION 1 PRODUCT IDENTIFICATION

GENERAL OR GENERIC ID: Chemical family or product description.

DOT HAZARD CLASSIFICATION: Product meets **DOT** criteria for hazards asted.

SECTION II

Components are listed in this section if they present a physical or health hazard and are present at or above 1% in the mixture. If a component is identified as a CAR-CINOGEN by NTP, IARC or OSHA as of the date on the MSDS, it will be listed and footnoted in this section when present at or above 0.1% in the product. Negative conclusions concerning carcinogenicity are not reported. Additional health information may be found in Section V. Components subject to the reporting requirements of Section 313 of SARA Title III are identified in the footnotes in this section, along with typical percentages. Other components may be listed if deemed appropriate.

Exposure recommendations are for components. OSHA Permissible. Exposure Limits (PELs) and American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values (TLVs) appear on the line with the component identification. Other recommendations appear as footnotes.

SECTION III PHYSICAL DATA

80ILING POINT: Of product if known. The lowest value of the components is listed for mixtures.

VAPOR PRESSURE: Of product if known. The highest value of the components is listed for mixtures.

SPECIFIC VAPOR DENSITY: Compared to AIR = 1. If Specific Vapor Density of product is not known, the value is expressed as lighter or heavier than air.

SPECIFIC GRAVITY: Compared to WATER = 1. If Specific Gravity of product is not known, the value is expressed as less than or greater than water.

pH: If applicable.

PERCENT VOLATILES: Percentage of material with initial boiling point below 425 degrees Fahrenheit.

EVAPORATION RATE: Indicated as faster or slower than ETHYL ETHER, unless otherwise stated.

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT: Method identified.

EXPLOSION LIMITS: For product if known. The lowest value of the components is listed for mixtures.

HAZARDOUS DECOMPOSITION PRODUCTS: Known or expected hazardous products resulting from heating, burning or other reactions.

EXTINGUISHING MEDIA: Following National Fire Protection Association criteria.

SECTION IV (cont.)

FIREFIGHTING PROCEDURES: Minimum equipment of protect firefighters from toxic products of vacchization combustion or decomposition in fire situations. Other firefighting hazards may also be indicated.

SPECIAL FIRE AND EXPLOSION HAZARDS: States mad ards not govered by other sections

NFPA CODES: Hazard ratings assigned by the Haritha Fire Protection Association.

SECTION V HEALTH HAZARD DATA

PERMISSIBLE EXPOSURE LIMIT: For product

THRESHOLD LIMIT VALUE: For product.

EFFECTS OF ACUTE OVEREXPOSURE: Potential 100 as and systemic effects due to single or snort term 0. erect posure to the eyes and skin or through inhalation or negestion.

EFFECTS OF CHRONIC OVEREXPOSURE: Potential it call and systemic effects due to repeated or rong term overexposure to the eyes and skin or through innaist or or ingestion.

FIRST AID: Procedures to be followed when dealing a maccidental overexposure.

PRIMARY ROUTE OF ENTRY: Based on procerties and expected use.

SECTION VI REACTIVITY DATA

HAZARDOUS POLYMERIZATION: Conditions to avoid the prevent hazardous polymerization resulting in a large release of energy.

STABILITY: Conditions to avoid to prevent hazardous or violent decomposition.

INCOMPATIBILITY: Materials and conditions to avoid to prevent hazardous reactions.

SECTION VII SPILL OR LEAK PROCEDURES

Reasonable precautions to be taken and methods of containment, clean-up and disposal. Consult federal, state and local regulations for accepted procedures and any reporting or notification requirements.

SECTION VIII PROTECTIVE EQUIPMENT TO BE USED

Protective equipment which may be needed when handling the product.

SECTION IX SPECIAL PRECAUTIONS OR OTHER COMMENTS

Covers relevant points not previously mentioned.

SECTION X LABEL INFORMATION

Contains label information including physical and nearth hazard warnings, handling and first aid instructions appropriate for the product.

ADDITIONAL COMMENTS

Containers should be either reconditioned by CERTIFIED firms or properly disposed of by APPROVED firms. Disposal of containers should be in accordance with applicable laws and regulations. "EMPTY" drums should not be given to individuals. Serious accidents have resulted from the misuse of "EMPTIED" containers (drums, pails, etc.). Refer to Sections IV and IX.

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POT WATER WASH CARGO TANKS
COLD WATER WASH PIPE LINE AND STRIPPING SYSTEM
COLD WATER WASH CARGO TANKS
HOT CHEMICAL WASH
BLOW CARGO PIPELINE AND STRIPPING SYSTEM
VACUUM BLOW DRY CARGO TANKS
SWEEP POWDER RUST FROM CARGO TANK FLOORS
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PRESS CARGO PIPELINE TO 40# PSI
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HERCULES OFFSHORE CO.

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